

UNIVERSITI TEKNOLOGI MARA

**COMPARATIVE STUDY ON
TRADITIONAL AND MODERN
MOSQUES' DESIGN, CONSTRUCTION
AND COMMUNITY PARTICIPATION:
CASE STUDY IN PENINSULAR
MALAYSIA**

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Thesis submitted in fulfillment
of the requirements for the degree of
Masters of Science

Faculty of Architecture, Planning & Surveying

July 2014

AUTHOR'S DECLARATION

I declare that the work in this thesis was carried out in accordance with the regulations of Universiti Teknologi MARA. It is original and is the result of my own work, unless otherwise indicated or acknowledged as referenced work. This thesis has not been submitted to any other academic institution or non-academic institution for any degree or qualification.

I, hereby, acknowledge that I have been supplied with the Academic Rules and Regulations for Post Graduate, Universiti Teknologi MARA, regulating the conduct of my study and research.

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ABSTRACT

In the last few decades, building construction industry in most Muslim countries has had to keep pace with the modern method of construction and technology development. Malaysian mosques architecture is not exempted from the physical conversion of this promptly changing technology. Therefore, this research attempts to discover the transformation of mosque building from traditional to modern architecture in Peninsular Malaysia. It analyzes and compares the design, construction and community participation of the case study mosques. It intends to discover the differences of mosque building in two different periods of time. The overview of literature includes the published and unpublished sources on mosque; definition of mosque from the *Qur'an* and scholars; universal elements of mosque architecture; design, construction and community participation in traditional and modern architecture and Malaysian mosques. Literature written on mosques is extensive but only few address this topic. The case study method is employed, measurements comprising: on-site physical measurement, on-site observation and interview session with expert informant. Measured and detail drawings reproduction by Computer Aided Design application of the case studies and tabulations of data were prepared for the final data analysis. Various findings are revealed in this study on the comparison of traditional and modern mosques construction. The findings from this research conclude that there are significant numbers of differences found between the traditional and modern mosques in the aspect of design, construction and community participation. The research hopes to enrich the understanding of the traditional and modern mosques architecture with specific scope on construction.

ACKNOWLEDGEMENTS

Bismi-ALLAH ar-Rahman ar-Rahim.

This research is the result of the assistance, encouragement and support of various people to whom I would to express my deepest appreciation.

I wish to convey my gratitude to Associate Professor Dr. Anuar bin Talib, the supervisor, for his guidance throughout this research. His full commitment, helpful comments, advice and suggestions had given me a precious learning experience in making this research a reality.

I am also indebted to the University Teknologi MARA for granting me financial assistance. I wish to extend my thanks to the Dean and the staffs of the Faculty of Architecture, Planning and Survey, the Department of Interior Design and to all friends who provided various kinds of assistance and moral support. This research was also undertaken with the kind cooperation from the Dean, the Coordinator of the Graduate Studies and the staff members of the faculty.

There are many other individuals who had contributed to this research, with whom the researcher was very much indebted. Foremost are the staff of KALAM (FAB UTM, Skudai), Jabatan Warisan Negara, Muzium Senibina Melaka, Jabatan Warisan Melaka, Jawatankuasa Masjid Kampung Hulu, Jawatankuasa Masjid Kampung Tuan, Jabatan Hal Ehwal Agama Negeri Terengganu, Jabatan Kerja Raya Negeri Terengganu, Lembaga Muzium Negeri Terengganu, Jawatankuasa Pembangunan Masjid Tengku Tengah Zaharah, Jawatankuasa Kemajuan dan Keselamatan Kg. Tuan dan Kg. Injin Gergaji, Seni Bahri Arkitek, the Executive Committee of Indian Mosque and village elders, who shared their valuable and vast experiences, while serving the interview sessions with warm hospitality.

Thanks are also due to the helpful and cooperative mosque committees for permitting us into the mosque during the process of measurements and documentations. I am also indebted to all Malaysian public university libraries and the librarians who have helped me during the research process.

I owe my immeasurable debt to my husband Mohd Mujib bin Mustaffa for volunteering during the tedious measurements and recording process of the case studies and his many forms of assistances. To my parents, Sujak bin Ahmad and Siti Maimunah binti Kasri, for my mother-in-law, Hjh. Jalilah binti Mohd Salleh and to my dear siblings, for their support in completing this research. I thanked them for their patience and understanding. Finally, thanks to all.

Walhamduli-ALLAH-Rabb al 'alamain.

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